

2ND AVENUE EXTENSION STREETLIGHT INFRASTRUCTURE REPLACEMENT PROJECT

STREETLIGHT ENGINEERING

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Streetlight Engineering Project Management Group



Seattle City Light



PIONEER SQUARE PRESERVATION BOARD Presentation

Architectural Committee Review

September 9, 2021, at 9:00am

Full Board Review

September 19, 2021, at 9:00am

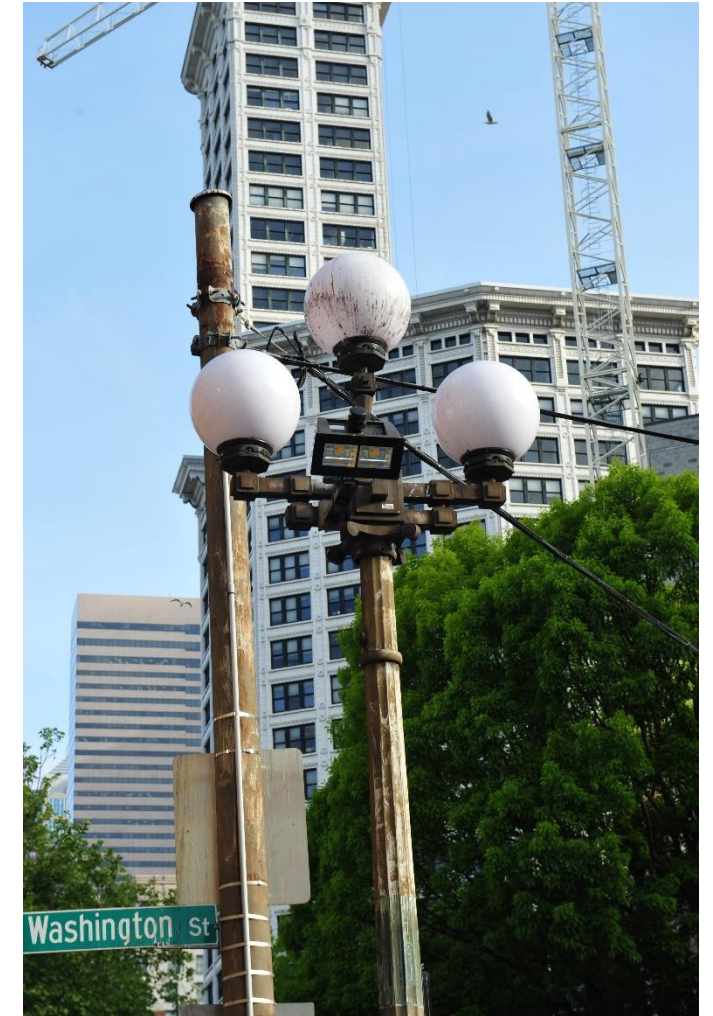
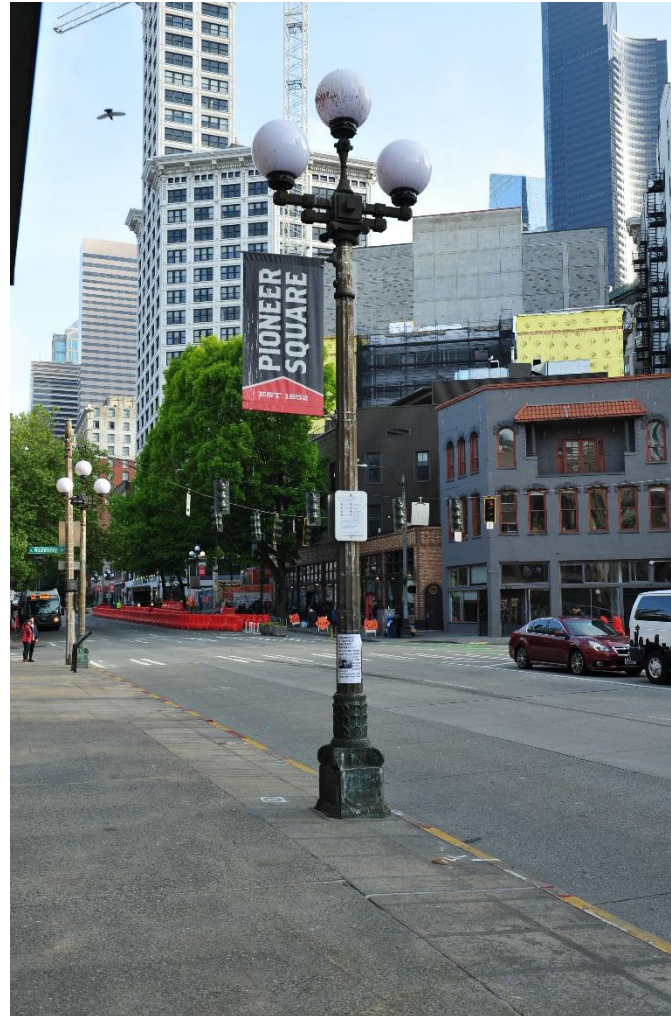


Seattle City Light

Pictures of Existing Conditions



Pictures of Existing Conditions: Continued



The Project

- The goal of this project is to replace the above ground streetlight structures and underground infrastructure for eight (8) historic Chief Seattle three (3) globe streetlights on both sides of the 2nd Avenue Extension South right-of-way (ROW) between South Washington and South Main streets.
- This site is located within the Pioneer Square Historic District.
- The project will address a life safety issue; failed streetlights with pedestrians crossing the ROW mid-block in the dark identified by Metro Transit and SPD in mid-November 2018.
- Upon investigation, City Light staff determined the existing obsolete lead shielded wiring was failing during start-up created by the globe light fixture's high-pressure sodium lamps.

The Project: Continued

- These streetlights have been temporarily repaired using new Pioneer Square Preservation Board (Board) approved Evluma LED lamps and updated fusing.
- These temporary repairs have a limited useful life thus City Light management directed Streetlight Engineering to replace this entire streetlight circuit within the Pioneer Square streetlight system.
- In Q1 of 2020, the Seattle Department of Transportation (SDOT) Planning Group approached Streetlight Engineering about SDOT's proposed project for 2nd Avenue Extension between South Washington and South Main Streets.
- SDOT was proposing to add 4 additional Chief Seattle Streetlights and 4 City of Seattle standard tree pits on 2nd Avenue Extension project between South Washington Street and South Main Street.

The Project: Continued

- SDOT proposal called for 2 additional streetlights and 2 tree pits to each side of the ROW.
- City Light and SDOT reached agreement for SDOT to fund the added scope work within City Light's project.
- In the project's final design City Light was able to add 3 additional streetlight lights and 4 tree pits due to the impacts of the exiting areaway in front of the Humback building.
- SDOT has provisionally approved the required Utility Major Permit for this project pending project approval and issuance of a Certificate of Approval by the Board.

The Project: Continued

- **Please Note:** SDOT will be making application with the Board for approval of their proposed tree selection to be planted once the project is complete and accepted by the City.
- City Light anticipates sending this project out to public bid within 30 days of the Board's approval.
- Due to the City of Seattle Holiday Construction Moratorium, City Light anticipates issuing Notice to Proceed with construction on January 2, 2022.
- Construction is schedule to be completed in 100-working days.

Benefits / Risks / Costs

- Benefits:

- Increased vehicle & pedestrian safety.
- Replaces the existing streetlight infrastructure which is at the end of its lifecycle.
- Reduced City Light Operations & Maintenance costs.

- Risks

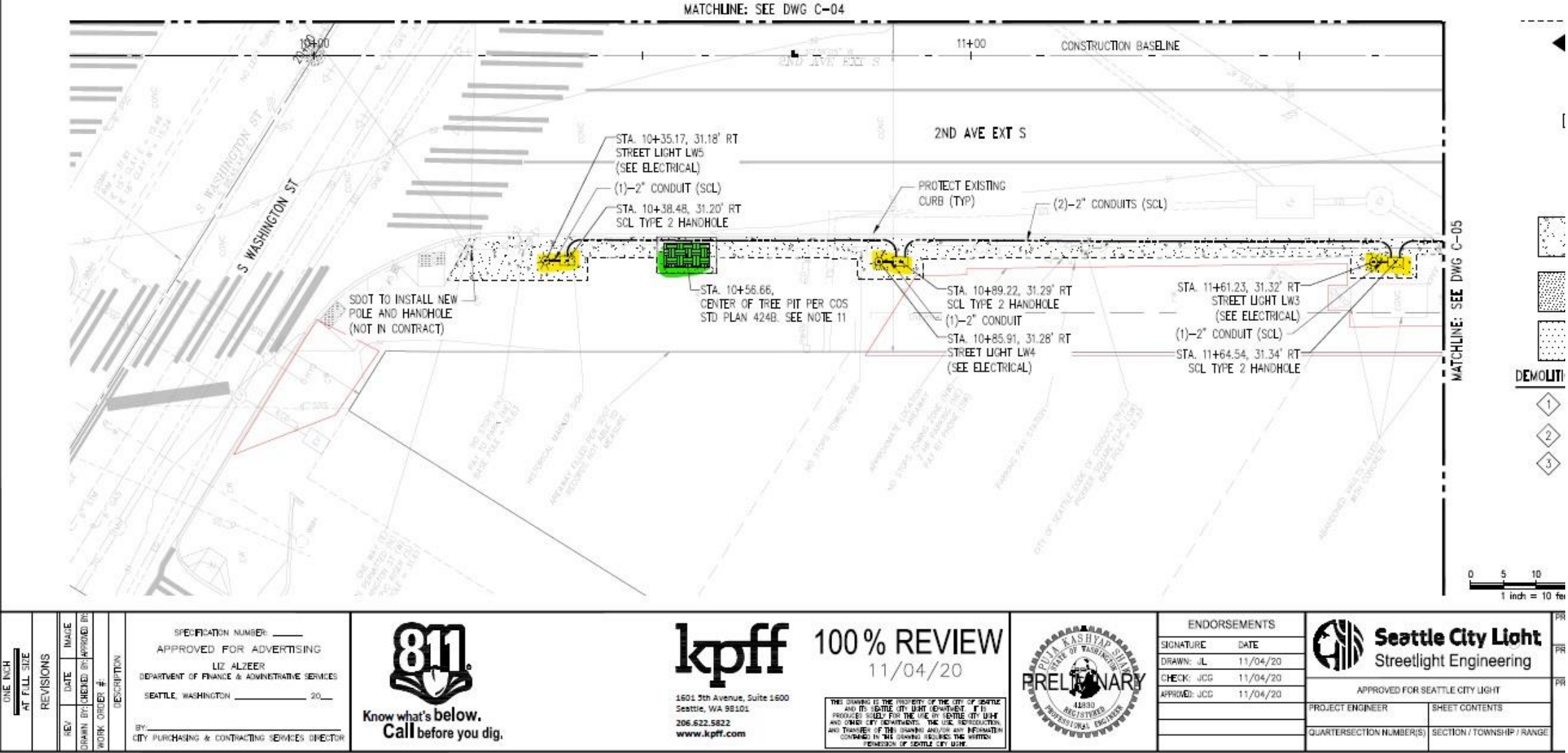
- Construction impacts on local social services institutions and their clients.
- Construction impacts on local business.
- Coordination/impact with and next to other construction projects within the District.
- Supply chain delays and increasing material costs.

Benefits / Risks / Costs: Continued

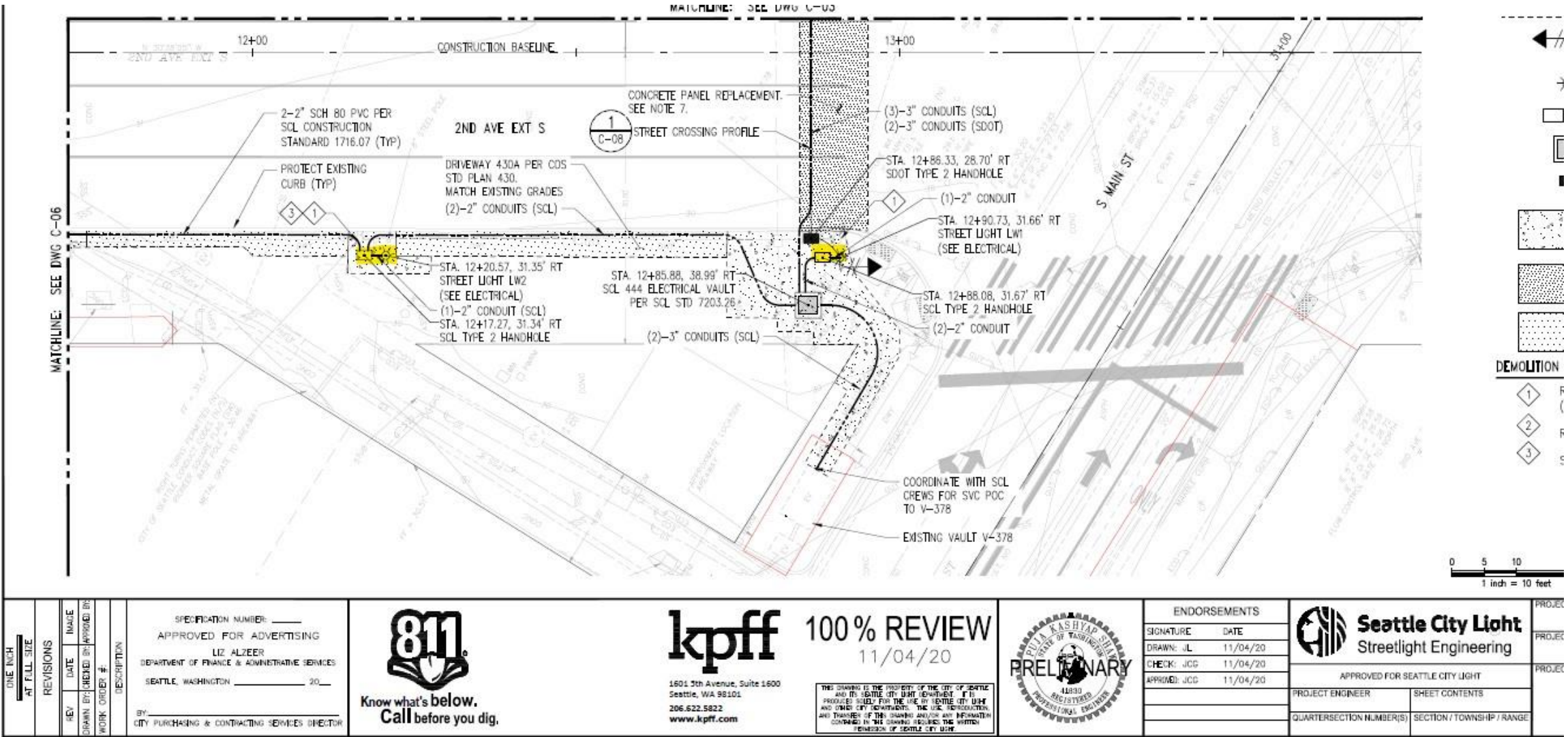
- Estimated Costs at 100% Design

- Public Works construction contract: \$1,347,088
 - City Light's Scope of Work: \$1,127,729
 - SDOT's added Scope of Work: \$ 219,359
- City Light Construction Administration Costs: \$ 156,357
- City Light furnished Chief Seattle streetlights complete and ready for installation at 11 x \$36,987 \$ 406,857
- 20% contingency: \$ 350,785
- Total Estimated Costs @ 100% Design: \$2,261,087

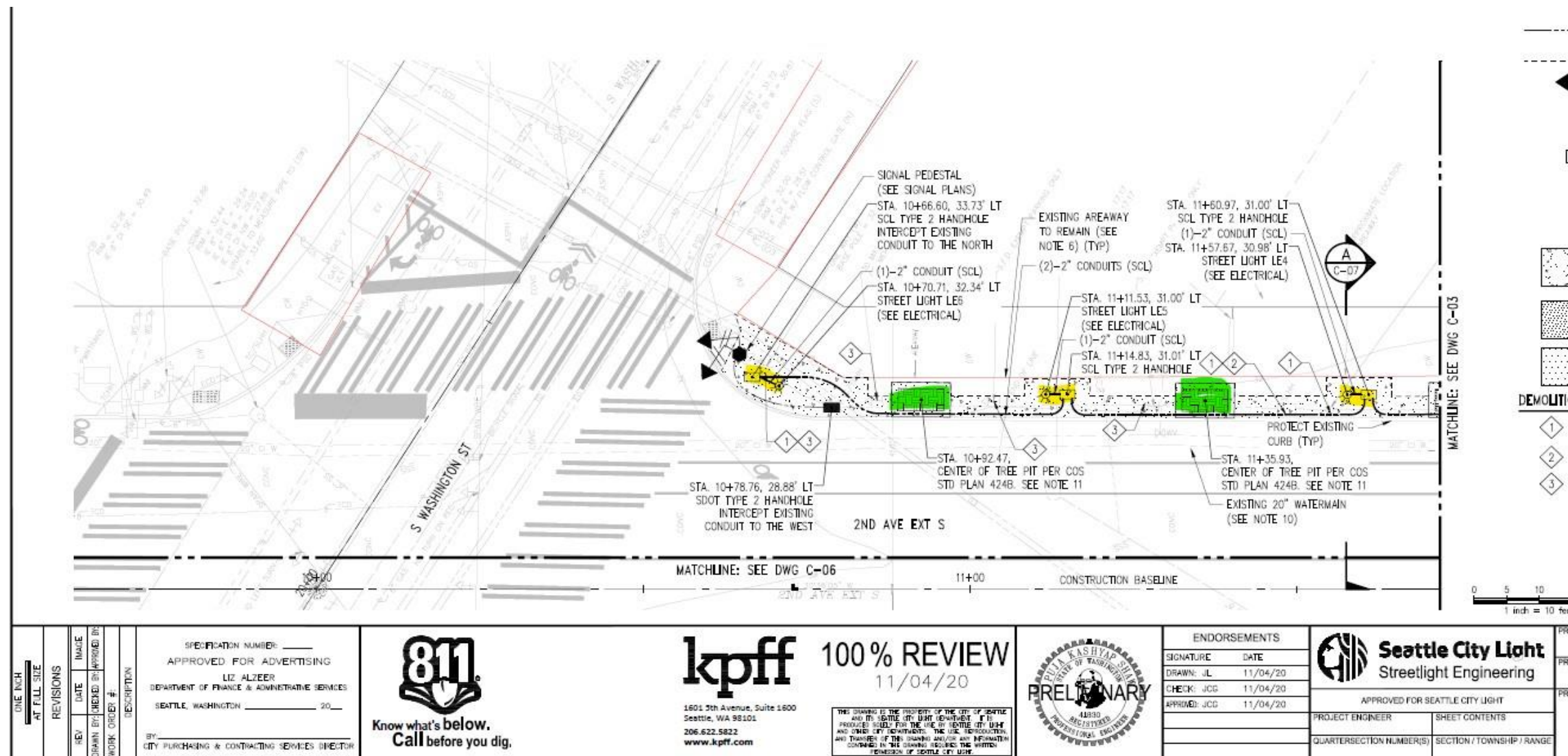
Site Plan: NW Corner of 2nd AVE Ext. & S. Washington



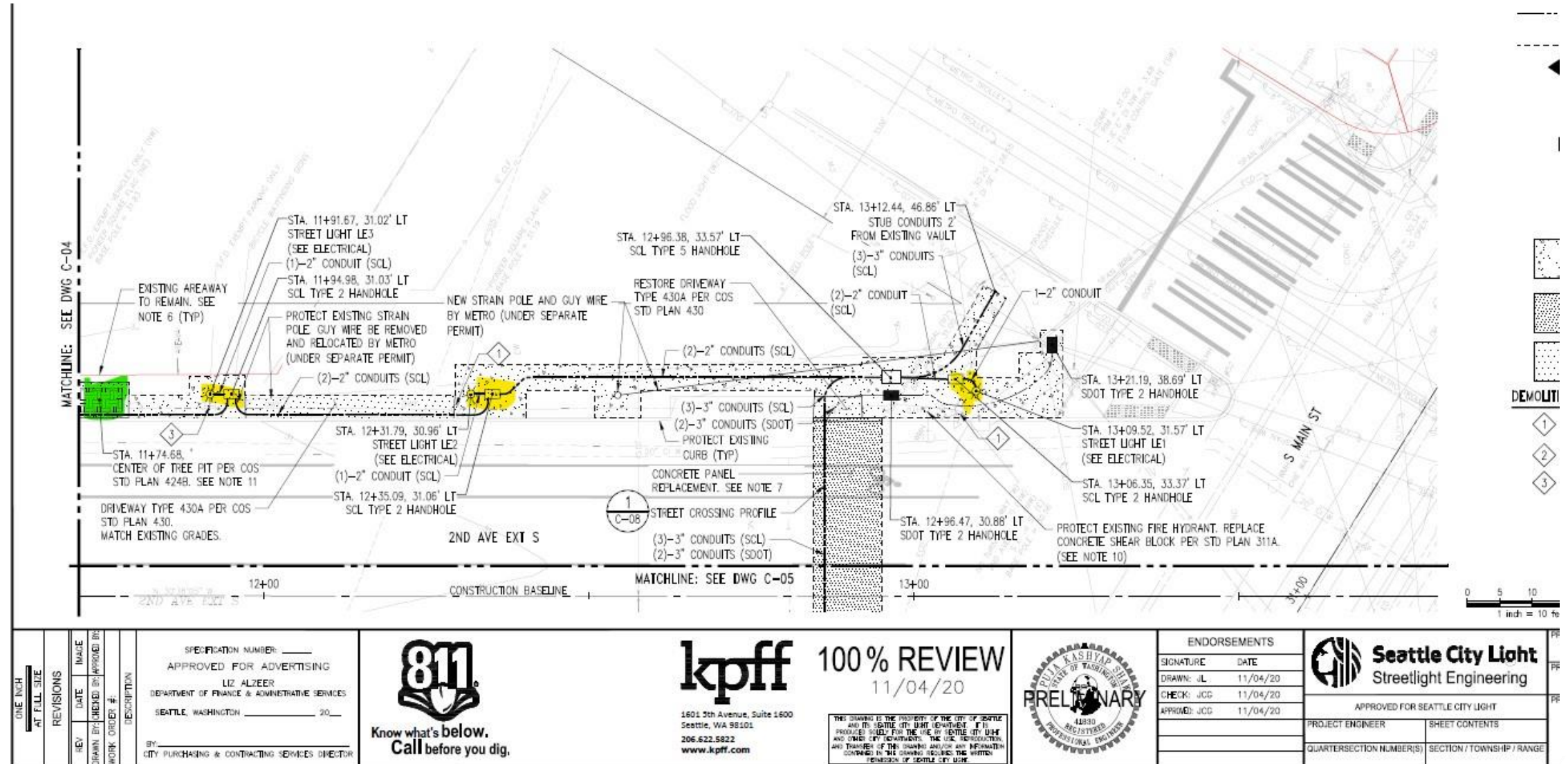
Site Plan: SW Corner of 2nd AVE Ext. & S. Main



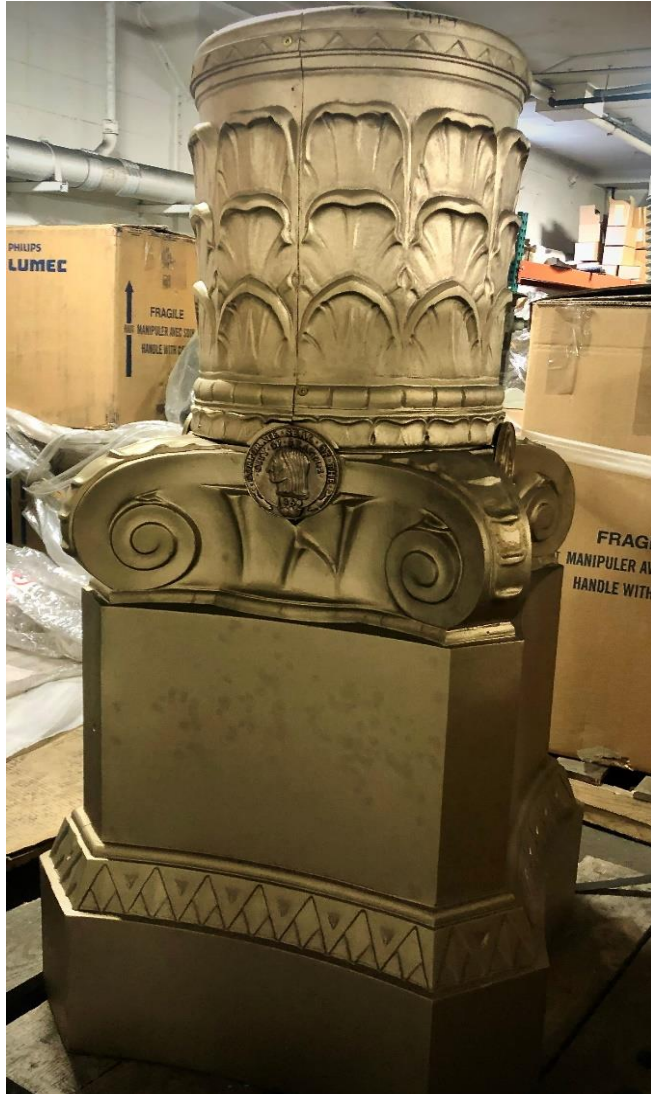
Site Plan: NE Corner of 2nd AVE Ext. & S. Washington



Site Plan: SE Corner of 2nd AVE Ext. & S. Main



New Chief Seattle Bronze Base



Base Installed in 2019



QUESTIONS COMMENTS



Seattle City Light



Mission, Vision & Values

Mission

Seattle City Light provides our customers with affordable, reliable and environmentally responsible energy services.

Vision

Create a shared energy future by partnering with our customers to meet their energy needs in whatever way they choose.

Values



Customers First



Environmental Stewardship



Equitable Community Connections



Operational and Financial Excellence



Safe and Engaged Employees



Seattle City Light

WE POWER SEATTLE

THANK YOU



Seattle City Light